

single mini video receiver with  
automatic gain control (agc)



## Description

The ComNet™ FVR11M video receiver detects an AM video signal on one multimode fiber optic cable. The receiver utilizes Automatic Gain Control (AGC) and is compatible with the ComNet FVT11M and the FVT20 transmitters. Plug-and-play design ensures ease of installation requiring no electrical or optical adjustments. Bi-color (Red/Green) LED indicators are provided for rapidly ascertaining equipment operating status. These units are only available in stand-alone configurations.

## Features

- AM Video Receiver
- NTSC, PAL, SECAM compatible
- Full range Automatic Gain Control (AGC)
- Voltage transient protection on all power and signal input/output lines provides unconditional protection from power surges and other voltage transient events.
- Full color compatibility
- No in-field electrical or optical adjustments required
- Bi-Color (Red/Green) Video Present indicator
- Lifetime Warranty

## Applications

- CCTV (Fixed Video)



# FVR11M

## specifications

### VIDEO

Video Output:	1 volt pk-pk (AGC controlled)
Bandwidth:	5 Hz - 10 MHz*
Differential Gain:	<5%
Differential Phase:	<5°
Tilt:	<1%
Signal-to-Noise Ratio (SNR):	>55 dB @ 10 dB Attn. >60 dB @ 7 dB Attn.
Max. RG-59 COAX Distance:	100m (300ft) Camera to Fiber Optic Module to maintain 6Mhz Bandwidth

### WAVELENGTH

FVR11M	850 nm, Multimode
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### NUMBER OF FIBERS

1

### CONNECTORS

Optical:	ST
Power:	Terminal Block
Video:	BNC (Gold Plated Center-Pin)

### LED INDICATORS

- Video Present

### ELECTRICAL & MECHANICAL

Power:	8-15 VDC @ 60 mA
Circuit Board:	Meets IPC Standard
Size (in./cm) (L×W×H)	
Surface Mount:	4.0 × 3.7 × 1.0 in., (10.4 × 9.5 × 2.7 cm)
Shipping Weight:	<1 lb./0.45 kg

### ENVIRONMENTAL

MTBF:	>100,000 hours
Operating Temp:	-40° C to +75° C
Storage Temp:	-40° C to +85° C
Relative Humidity:	0% to 95% (non-condensing)†

\* At 6 dB Attenuation

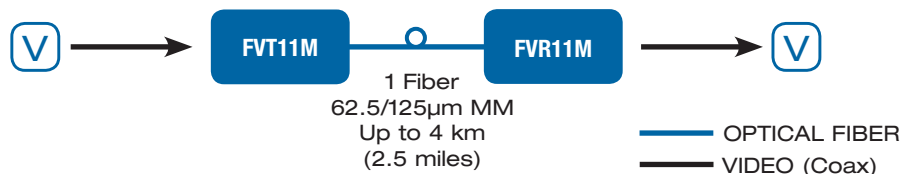
† May be extended to condensation conditions by adding suffix '/C' to model number for conformal coating.



PART NUMBER	DESCRIPTION	FIBERS REQUIRED	FIBER	OPTICAL PWR BUDGET	MAX. DISTANCE‡
FVR11M	AGC Mini Video Receiver (850 nm)	1	Multimode 62.5/125µm	14 dB	4 km (2.5 miles)
Accessories	9 Volt DC Plug-in Power Supply, 90-264 VAC, 50/60 Hz (Included)				
Options	Add '/C' for Conformally Coated Circuit Boards (Extra charge, consult factory)				

‡ Distance may be limited by optical dispersion.

Complies with FDA Performance Standard for Laser Products, Title 21, Code of Federal Regulations, Subchapter J  
In a continuing effort to improve and advance technology, product specifications are subject to change without notice.



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